Amendments to the Claims:

Listing of Claims:

1. (Currently amended) A compound of formula Ia or Ib:

and or pharmaceutically acceptable salts[[,]] or solvates, and chemically protected forms thereof, wherein:

the dotted lines indicate the optional presence of a double bond between C1 and C2 or C2 and C3;

 R^2 and R^3 are independently selected from –H, =O, =CH₂, -CN, -R, OR, halo, =CH-R, O-SO₂-R, CO₂R and COR;

R⁶ and R⁹ are independently selected from H, R, OH, OR, SH, SR, NH₂, NHR, NRR', nitro, Me₃Sn and halo;

where R and R' are independently selected from optionally substituted C_{1-12} alkyl, C_{3-20} heterocyclyl groups having 3 to 20 ring atoms of which 1 to 10 are heteroatoms independently selected from the group consisting of N, O and S and C_{5-20} -aryl or heteroaryl groups having 5 to 20 ring atoms, the heteroaryl groups having one or more heteroatoms independently selected from the group consisting of N, O and S, wherein the optional substituents are independently selected from the group consisting of N, O and S, wherein the optional substituents are independently selected from halo, hydroxy, ether, alkoxy, acetal, hemiacetal, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolcarboxy, thionocarboxy, imidic acid, hydroxamic acid, ester, acyloxy, oxycaroyloxy, amino, amido, thioamido, acylamido, aminocaronyloxy, ureido, guanidino, tetrazolyl, amidino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyanato, thiocyano, isothiocyano, sulfhydryl, disulfide, sulfine, sulfonyl, sulfino, sulfo, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, sulfonamido, sulfamino, sulfonamino, phosphino, phosphoro, phosphoro, phosphoro, phosphoro, phosphoro, phosphoramidite, or phosphoramidate;

R^A is selected from H, R, OR, SH, SR, NH₂, NHR, NRR', nitro, Me₃Sn and halo;

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R¹⁰ is a carbamate-based nitrogen protecting group; and R¹¹ is an oxygen protecting group.

- 2. (Original) A compound according to claim 1, wherein R^A is independently selected from H, OR, SH, SR, NH₂, NHR, NRR' and halo.
- 3. (Previously presented) A compound according to claim 1, wherein R¹¹ is THP or a silyl oxygen protecting group.
- 4. (Previously presented) A compound according to claim 1, wherein R¹⁰ is BOC or Troc.
- 5. (Previously presented) A compound according to claim 1, wherein R⁹ is H.
- 6. (Previously presented) A compound according to claim 1, wherein R² is R.
- 7. (Previously presented) A compound according to claim 1, wherein R⁶ is selected from H, OH, OR, SH, NH₂, nitro and halo.
- 8. (Currently amended) A compound of formula **HIA** or **IIIb**:

and or pharmaceutically acceptable salts or solvates and thereof, wherein:

the dotted lines indicate the optional presence of a double bond between C1 and C2 or C2 and C3;

 R^2 and R^3 are independently selected from -H, =O, $=CH_2$, -CN, -R, OR, halo, =CH-R, $O-SO_2-R$, CO_2R and COR;

 R^6 , R^9 , R^{12} and R^{13} are independently selected from H, R, OH, OR, SH, SR, NH₂, NHR, NRR', nitro, Me₃Sn and halo;

where R and R' are independently selected from optionally substituted C₁₋₁₂ alkyl, C₃₋₂₀ heterocyclyl groups having 3 to 20 ring atoms of which 1 to 10 are heteroatoms independently selected from the group consisting of N, O and S and C₅₋₂₀-aryl or heteroaryl groups having 5 to 20 ring atoms, the heteroaryl groups having one or more heteroatoms independently selected from the group consisting of N, O and S, wherein the optional substituents are independently selected from the group consisting of N, O and S, wherein the optional substituents are independently selected from halo, hydroxy, ether, alkoxy, acetal, hemiacetal, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolcarboxy, thionocarboxy, imidic acid, hydroxamic acid, ester, acyloxy, oxycaroyloxy, amino, amido, thioamido, acylamido, aminocaronyloxy, ureido, guanidino, tetrazolyl, amidino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyano, isothiocyano, sulfhydryl, disulfide, sulfine, sulfonyl, sulfino, sulfo, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, sulfonamido, sulfamino, sulfonamino, phosphino, phosphor, phosphoro, phosphoro, phosphoramidite, or phosphoramidate;

R¹⁰ is a carbamate-based nitrogen protecting group and R¹⁵ is either O-R¹¹, wherein R¹¹ is an oxygen protecting group, or OH, or R¹⁰ and R¹⁵ together form a double bond between N10 and C11; and

where $\underline{-X'-R''-X-}$ is $\underline{-O-(CH_2)_n-O-}$, where n is 8 to 12; $\underline{R''}$ is a $\underline{C_{3-12}}$ -alkylene group, which chain may be interrupted by one or more heteroatoms, e.g. O, S, NH, and/or aromatic rings, and each X is independently selected from O, S, or NH; and

R^{2′}, R^{3′}, R^{6′}, R^{9′}, R^{10′}, R^{12′}, R^{13′} and R^{15′} are all independently selected from the same lists as previously defined for R², R³, R⁶, R⁹, R¹⁰, R¹², R¹³ and R¹⁵ respectively.

- 9. Canceled.
- 10. Canceled.
- 11. Canceled.

- 12. Canceled.
- 13. (Currently amended) A compound according to claim <u>8</u> 12, wherein n is 8 to 11.
- 14 (Original) A compound according to claim 13, wherein n is 8 to 10.
- 15. (Original) A compound according to claim 14, wherein n is 8 or 9.
- 16. (Previously presented) A compound according to claim 8, wherein R¹⁵ is O-R¹¹ and R¹¹ is THP or a silyl oxygen protecting group.
- 17. (Previously presented) A compound according to claim 8, wherein R¹⁰ is BOC or Troc.
- 18. (Previously presented) A compound according to claim 8, wherein R¹⁰ and R¹⁵ together form a double bond between N10 and C11.
- 19. (Previously presented) A compound according to claim 8, wherein R⁹ is H.
- 20. (Previously presented) A compound according to-claim 8, wherein R² is R.
- 21. (Previously presented) A compound according to claim 8, wherein R⁶ is selected from H, OH, OR, SH, NH₂, nitro and halo.
- 22. (Canceled)
- 23. (Previously presented) A pharmaceutical composition containing a compound of claim 8, and a pharmaceutically acceptable carrier or diluent.
- 24. (Canceled)
- 25. (Currently amended) A method of treatment of a proliferative disease, comprising administering to a subject in need of treatment a therapeutically-effective amount of a

compound of claim 8, wherein the proliferative disease is selected from leukemia, melanoma, lung cancer, renal cancer, colon cancer, CNS cancer, and ovarian cancer.

26. (Currently amended) A method of synthesising a compound of formula Ia or Ib:

from a compound of formula IIa or IIb respectively:

comprising removing R₁₄,

wherein:

the dotted lines indicate the optional presence of a double bond between C1 and C2 or C2 and C3;

 R^2 and R^3 are independently selected from –H, =O, =CH₂, -CN, -R, OR, halo, =CH-R, O-SO₂-R, CO₂R and COR;

R⁶ and R⁹ are independently selected from H, R, OH, OR, SH, SR, NH₂, NHR, NRR', nitro, Me₃Sn and halo;

where R and R' are independently selected from optionally substituted C_{1-12} alkyl, $-C_{3-20}$ heterocyclyl groups having 3 to 20 ring atoms of which 1 to 10 are heteroatoms independently selected from the group consisting of N, O and S and C_{5-20} aryl or heteroaryl groups having 5 to 20 ring atoms, the heteroaryl groups having one or more heteroatoms independently selected from the group consisting of N, O and S, wherein the optional substituents are independently selected from halo, hydroxy, ether, alkoxy, acetal, hemiacetal, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolcarboxy, thionocarboxy, imidic acid, hydroxamic acid, ester, acyloxy, oxycaroyloxy, amino, amido, thioamido, acylamido, aminocaronyloxy,

ureido, guanidino, tetrazolyl, amidino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyanato, thiocyano, isothiocyano, sulfhydryl, disulfide, sulfine, sulfonyl, sulfino, sulfo, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, sulfonamido, sulfamino, sulfonamino, phosphino, phosphor, phosphinyl, phosphono, phosphonate, phosphonooxy, phosphate, phosphorous acid, phosphite, phosphoramidite, or phosphoramidate;

R^A is selected from H, R, OR, SH, SR, NH₂, NHR, NRR', nitro, Me₃Sn and halo; R¹⁰ is a carbamate-based nitrogen protecting group;

R¹¹ is an oxygen protecting group; and

R¹⁴ is an oxygen protecting group orthogonal to R¹¹.

- 27. (Original) A method according to claim 26, wherein R¹⁴ is benzyl ether and R^A is OMe or H.
- 28. (Previously presented) A method according to claim 26, wherein R¹¹ is THP or a silyl oxygen protecting group.
- 29. (Currently amended) A method of synthesising a compound of formula **IIIa** or **IIIb**:

or a solvate thereof, from a compound of formula Ia or Ib respectively:

wherein:

the dotted lines indicate the optional presence of a double bond between C1 and C2 or C2 and C3;

 R^2 and R^3 are independently selected from –H, =O, =CH₂, -CN, -R, OR, halo, =CH-R, O-SO₂-R, CO₂R and COR;

R⁶, R⁹, R¹² and R¹³ are independently selected from H, R, OH, OR, SH, SR, NH₂, NHR, NRR', nitro, Me₃Sn and halo; where R and R' are independently selected from optionally substituted C₁₋₁₂ alkyl, C₃₋₂₀-heterocyclyl groups having 3 to 20 ring atoms of which 1 to 10 are heteroatoms independently selected from the group consisting of N, O and S and C₅₋₂₀-aryl or heteroaryl groups having 5 to 20 ring atoms, the heteroaryl groups having one or more heteroatoms independently selected from the group consisting of N, O and S, wherein the optional substituents are independently selected from halo, hydroxy, ether, alkoxy, acetal, hemiacetal, ketal, hemiketal, oxo, thione, imino, formyl, acyl, carboxy, thiocarboxy, thiolcarboxy, thionocarboxy, imidic acid, hydroxamic acid, ester, acyloxy, oxycaroyloxy, amino, amido, thioamido, acylamido, aminocaronyloxy, ureido, guanidino, tetrazolyl, amidino, nitro, nitroso, azido, cyano, isocyano, cyanato, isocyanato, thiocyano, isothiocyano, sulfhydryl, disulfide, sulfine, sulfonyl, sulfino, sulfo, sulfinate, sulfonate, sulfinyloxy, sulfonyloxy, sulfate, sulfamyl, phosphono, phosphonate, phosphonooxy, phosphorous acid, phosphite, phosphoramidite, or phosphoramidate;

R^A is selected from H, R, OR, SH, SR, NH₂, NHR, NRR', nitro, Me₃Sn and halo; R¹⁰ is a carbamate-based nitrogen protecting group and R¹⁵ is either O-R¹¹, wherein R¹¹ is an oxygen protecting group, or OH, or R¹⁰ and R¹⁵ together form a double bond between N10 and C11; and

where R" is a C_{3-12} alkylene group, and each X is independently selected from O, S, or NH; and R²', R³', R⁶', R⁹', R¹⁰', R¹²', R¹³' and R¹⁵' are all independently selected from the same lists as previously defined for R², R³, R⁶, R⁹, R¹⁰, R¹², R¹³ and R¹⁵ respectively, comprising either:

- (a) reacting a compound of formula Ia or Ib with a compound having the formula Y-R"-Y' to yield a compound of formula IIIa or IIIb; or
- (b) (i) reacting a compound of formula **Ia** or **Ib** with a compound having the formula Y-R"-YProt, and
 - (ii) converting YProt in the reaction product from (i) to Y', and
 - (iii) reacting the product from (ii) with a compound of formula Ia or Ib to yield a compound of formula IIIa or IIIb;

wherein:

Y, Y' are independently selected from OH, I, Br, Cl, mesylate or tosylate;

YProt is a precursor to Y' or a chemically protected form of Y' having a protecting group that is orthogonal to R¹⁰ and R¹¹.

- 30. Canceled.
- 31. (Currently amended) A method according to claim 29 30, wherein Y and Y' are I.
- 32. (Currently amended) A method according to claim <u>29</u> 30, wherein Y is OH and YProt is O-benzyl.